

**Flood Control Project Maintenance
Levee Inspections**

LMA District Cover Sheet

Spring 2014 Levee Inspection Results

City of Sacramento

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

City of Sacramento

Waterway			Bank	Unit Miles
Unit No. 01 City of Sacramento			Left	3.63
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/01/2014 - 05/01/2014			
DWR Inspector	John Williamson			
Accompanied By	Doug Henery City of Sacramento			
	Jeff Chase City of Sacramento			
	William Roberts City of Sacramento			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	05/01/2014 05/01/2014	John Williamson

LM Start		Rating **	A	Issue No.	20
LM End		Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_NA0005_01_s _ 2013_20				
Action/Comments					

No Photos

LM Start		Rating **	A	Issue No.	22
LM End		Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_NA0005_01_s _ 2013_22				
Action/Comments					

No Photos

LM Start		Rating **	A	Issue No.	23
LM End		Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				°
					°
DWR ID	DWR_NA0005_01_s _ 2013_23				
Action/Comments					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	05/01/2014 05/01/2014	John Williamson

LM Start	0.06	Rating **	M	Issue No.	15
LM End	0.06	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.589864 °	38.589864 °
				-121.505128 °	-121.505128 °
DWR ID	DWR_NA0005_01_s _ 2014_15				
Action/Comments					
Inspector Comments: FS_ID:19967					
EP_NO: 14527					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to contact owner to determine condition of crossing and last inspection date.					
FIELD_STRUCT_DESC: 12-inch diameter pipeline under channel through levee, 44 feet below the crown. Southern Pacific Pipe Lines. (Permit No. 14527, Southern Pacific Pipelines, Inc.-1987).					
FS Date: 3/6/2013					

Photo 1 of 1 : UCIP_2150.jpg



View of multiple markers indicating gas alignment.

LM Start	0.14	Rating **	A	Issue No.	1
LM End	0.14	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.588715 °	38.588715 °
				-121.504885 °	-121.504885 °
DWR ID	DWR_NA0005_01_s _ 2012_1				
Action/Comments					
Building					
Inspector Comments: Fenced area around State (DWR) recorder can.					

Photo 1 of 1 : johngw_s_20140429_919.jpg



View of the I Street recorder can.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	05/01/2014 05/01/2014	John Williamson

LM Start	0.22	Rating **	A	Issue No.	2
LM End	0.22	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.587592 °	38.587592 °
				-121.504892 °	-121.504892 °
DWR ID	DWR_NA0005_01_s _ 2012_2				
Action/Comments					
Building					
Inspector Comments: Historical building.					

Photo 1 of 2 : johngw_s_20140429_920.jpg



Historical Building with foundations and ramps on upstream and downstream sides. Fall 2011

LM Start	0.22	Rating **	A	Issue No.	2 (cont)
LM End	0.22	Issue Type +	Ob	Location *	WS

Photo 2 of 2 : johngw_s_20140429_921.jpg



A view of the south side of the building. Fall 2011

LM Start	0.37	Rating **	A	Issue No.	14
LM End	0.73	Issue Type +	Ob	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.585525 °	38.580445 °
				-121.505338 °	-121.506966 °
DWR ID	DWR_NA0005_01_s _ 2012_14				
Action/Comments					
Building					

Photo 1 of 3 : johngw_s_20140429_941.jpg



Photo looking downstream from the Delta King in Old Sacramento.

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	05/01/2014 05/01/2014	John Williamson

LM Start	0.37	Rating **	A	Issue No.	14 (cont)	
LM End	0.73	Issue Type +	Ob	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.585525 °	38.580445 °	
				-121.505338 °	-121.506966 °	
DWR ID	DWR_NA0005_01_s _ 2012_14					
Action/Comments						
Building						
Inspector Comments: This is the Old Sacramento flood wall. This part is a walking inspection. The vegetation along the waterside of the floodwall has been removed.						

Photo 2 of 3 : johngw_s_20140429_942.jpg



The wooden boardwalk in Old Sacramento on top of the flood wall. Fall 2011

LM Start	0.37	Rating **	A	Issue No.	14 (cont)
LM End	0.73	Issue Type +	Ob	Location *	CR

Photo 3 of 3 : johngw_s_20140429_943.jpg



The buildings are on top of the flood wall and extend out over the river. Fall 2011

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	05/01/2014 05/01/2014	John Williamson

LM Start	0.42	Rating **	M	Issue No.	17
LM End	0.42	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.584762 °	38.584762 °
				-121.505556 °	-121.505556 °
DWR ID	DWR_NA0005_01_s_2014_17				
Action/Comments					
Inspector Comments: FS_ID:20384					

Photo 1 of 1 : UCIP_2218.jpg



View of landward side close to railroad museum.

LM Start	0.78	Rating **	A	Issue No.	4
LM End	0.78	Issue Type +	Ob	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.579712 °	38.579712 °
				-121.507347 °	-121.507347 °
DWR ID	DWR_NA0005_01_s_2012_4				
Action/Comments					
Building Inspector Comments: Embassy Suites					

Photo 1 of 1 : johngw_s_20140429_925.jpg



Embassy Suites

LM Start	1.15	Rating **	A/W	Issue No.	13
LM End	1.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.574780 °	38.568757 °
				-121.510191 °	-121.515930 °
DWR ID	DWR_NA0005_01_f_2012_13				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 3 : johngw_s_20140429_938.jpg



Trees and brush are larger than 2 inches but does not effect visibility.
Photo fall 2012.

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Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	05/01/2014 05/01/2014	John Williamson

LM Start	1.15	Rating **	A/W	Issue No.	13 (cont)
LM End	1.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.574780 °	38.568757 °
				-121.510191 °	-121.515930 °
DWR ID	DWR_NA0005_01_f_2012_13				
Action/Comments					
Trees / Woody Vegetation					

Photo 2 of 3 : johngw_s_20140429_939.jpg



Monitor the trees and woody vegetation along the rivers edge. Fall 2013

LM Start	1.15	Rating **	A/W	Issue No.	13 (cont)
LM End	1.69	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : johngw_s_20140429_940.jpg



Monitor the trees and vegetation along the rivers edge. Fall 2013

LM Start	1.23	Rating **	M	Issue No.	18
LM End	1.23	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.573900 °	38.573900 °
				-121.511025 °	-121.511025 °
DWR ID	DWR_NA0005_01_s_2014_18				
Action/Comments					
Inspector Comments: FS_ID:20184					

Photo 1 of 1 : UCIP_2190.jpg



Headwall with 1 crossing capped off.

* Location
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WS : Water Side
CR : Crown

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+ Issue Type
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**Flood Control Project Maintenance
Levee Inspections**

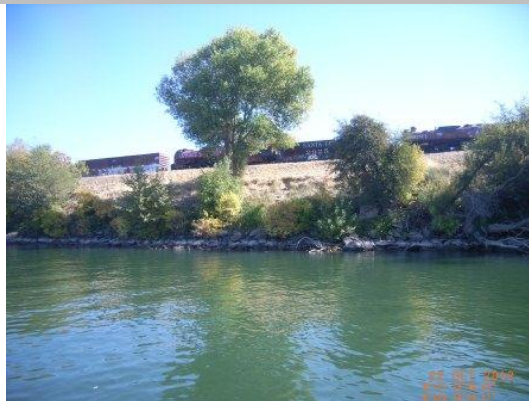
Levee Inspection Report By Mile - Spring 2014

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	05/01/2014 05/01/2014	John Williamson

LM Start	1.31	Rating **	M	Issue No.	12
LM End	1.39	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.573169 °	38.572277 °
				-121.511998 °	-121.513063 °
DWR ID					
Action/Comments					
Inspector Comments: 2008 - Oversized levee, should be repaired under maintenance. 2009 - Shallow slumps at the mid bank. 2010 - Some minor erosion at the toe, likely from wave wash. Some new shallow slumps. 2011 - One new tree has fallen. 2013: Erosion continues on the slope surface, site extended upstream [2013 Site ID: SAC_58-5_L]					

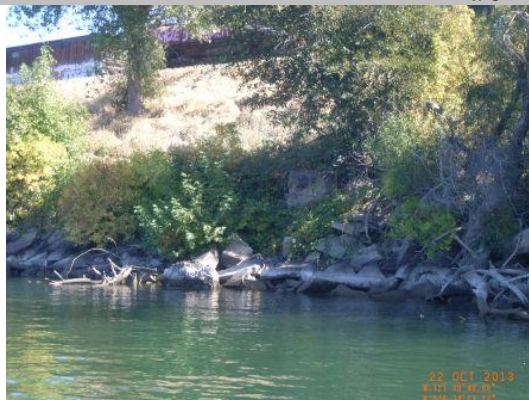
Photo 1 of 2 : USACE2013A_SAC_58-5_L_5.jpg



USACE 2013 Photo #1

LM Start	1.31	Rating **	M	Issue No.	12 (cont)
LM End	1.39	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : USACE2013A_SAC_58-5_L_6.jpg



USACE 2013 Photo #2

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	05/01/2014 05/01/2014	John Williamson

LM Start	1.33	Rating **	M	Issue No.	6
LM End	1.40	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.572791 °	38.572087 °
				-121.512133 °	-121.512892 °
DWR ID	DWR_NA0005_01_s _ 2012_6				
Action/Comments					
Equipment					

Photo 1 of 1 : johngw_s_20140502_963.jpg



The train cars have been relocated upstream on the levee. Spring 2014

LM Start	1.35	Rating **	C	Issue No.	3
LM End	1.35	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.572587 °	38.572587 °
				-121.512383 °	-121.512383 °
DWR ID	DWR_NA0005_01_s _ 2012_3				
Action/Comments					
Equipment					
Inspector Comments: The two box cars have now replace the sheds.					
Since the last inspection two more box cars have been added. The total is four now.					

No Photos

LM Start	1.41	Rating **	A/W	Issue No.	5
LM End	1.41	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.572008 °	38.572008 °
				-121.513017 °	-121.513017 °
DWR ID	DWR_NA0005_01_s _ 2012_5				
Action/Comments					
Pipe					

Photo 1 of 1 : johngw_s_20140429_926.jpg



The screw gate is the positive closure for the pipe. Fall 2011

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	05/01/2014 05/01/2014	John Williamson

LM Start	1.41	Rating **	M	Issue No.	19
LM End	1.41	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.572019 °	38.572019 °
				-121.513082 °	-121.513082 °
DWR ID	DWR_NA0005_01_s _ 2014_19				
Action/Comments					
Inspector Comments: FS_ID:20105					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 1 of 3: 6-inch pipe through the levee, 8 feet below the crown. Gate valves on the waterward slope. Manhole located on landward berm.					
FS Date: 3/6/2013					

Photo 1 of 1 : UCIP_2183.jpg



View of landward side where crossing should be running through.

LM Start	1.41	Rating **	M	Issue No.	24
LM End	1.41	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.572018 °	38.572018 °
				-121.513081 °	-121.513081 °
DWR ID	DWR_NA0005_01_s _ 2014_24				
Action/Comments					
Inspector Comments: FS_ID:20108					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 3 of 3: 72-inch sewer line through the levee at low elevation. Slide gate in concrete well on the waterward slope. Manhole located on landward berm. Multiple manholes are located on landward berm.					
FS Date: 3/6/2013					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	05/01/2014 05/01/2014	John Williamson

LM Start	1.41	Rating **	M	Issue No.	25
LM End	1.41	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.571976 °	38.571976 °
				-121.513060 °	-121.513060 °
DWR ID	DWR_NA0005_01_s _ 2014_25				
Action/Comments					
Inspector Comments: FS_ID:20123					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to coordinate with City of Sacramento to determine if crossing is active. Urgent was issued for this crossing due to the subsidence evident on landward berm.					
FIELD_STRUCT_DESC: 2 of 3: 8-inch cast iron pipe through levee, 8 feet below the crown.					
FS Date: 3/6/2013					

No Photos

LM Start	1.43	Rating **	M	Issue No.	26
LM End	1.43	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.571790 °	38.571790 °
				-121.513323 °	-121.513323 °
DWR ID	DWR_NA0005_01_s _ 2014_26				
Action/Comments					
Inspector Comments: FS_ID:20087 EP_NO: 12196 Repair Type: Crossing Status: UCIP Comments: Vault located on levee crown (bike path) and siphon breaker located on waterward shoulder. Coordinate with City of Sacramento to determine the condition of this crossing and last inspection. FIELD_STRUCT_DESC: 1 or 2: 42-inch RCP wash water intake pipe through levee at approximately 10 feet below crown. Line extends approximately 145 feet waterward from the reservoir to the outfall structure at the waterward shoulder of the levee. Pipe is skewed approximately 12 degrees upstream. Water Intake structure with screen. Waterward slope is armored by rock slope protection. Rock slope protection perimeter exists at river intake. (Permit No. 12196, Sacramento Regional County Sanitation District-1981). Permit 16611 was issued in 1996 to reline the inside of the pipe. FS Date: 3/6/2013					

Photo 1 of 1 : UCIP_2169.jpg



Walkway present on waterward shoulder.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

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City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	05/01/2014 05/01/2014	John Williamson

LM Start	1.43	Rating **	M	Issue No.	27
LM End	1.43	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.571776 °	38.571776 °
				-121.513364 °	-121.513364 °
DWR ID	DWR_NA0005_01_s_2014_27				
Action/Comments					
Inspector Comments: FS_ID:20093					
EP_NO: 12196					
Repair Type:					
Crossing Status:					
UCIP Comments: Check with City of Sacramento to determine last inspection and condition of crossing. Vegetation on waterward and landward slope makes it difficult to inspect and identify any potential leaks visible from surface.					
FIELD_STRUCT_DESC: 1 of 2: 120-inch RCP outfall pipe extends approximately 117 feet waterward from the reservoir to a reinforced concrete outfall valve structure located in the levee crown. Waterward slope is armored by rock slope protection. Rock slope protection perimeter exists at outlet. (Permit No. 12196, Sacramento Regional County Sanitation District-1977). (Permit No. 12196, Sacramento Regional Sanitation District-1981).					
FS Date: 3/6/2013					

Photo 1 of 1 : UCIP_2181.jpg



View of landward side--fenced area, walkway, and bldg structure on landward toe.

LM Start	1.47	Rating **	C	Issue No.	41
LM End	1.47	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.571385 °	38.571385 °
				-121.513848 °	-121.513848 °
DWR ID	DWR_NA0005_01_f_2013_41				
Action/Comments					
Debris					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	05/01/2014 05/01/2014	John Williamson

LM Start	1.59	Rating **	M	Issue No.	28
LM End	1.59	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.570075 °	38.570075 °
				-121.515402 °	-121.515402 °
DWR ID	DWR_NA0005_01_s_2014_28				
Action/Comments					
Inspector Comments: FS_ID:20387					
EP_NO: 2371					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to coordinate with PG&E to clarify all appurtenances associated with crossing. Need maintenance records for this crossing (last inspection).					
FIELD_STRUCT_DESC: 12-inch pipe through the levee, 5.0 feet below the crown. Gas pipeline sign on the waterward slope and rectangular concrete box on the waterward berm. (Permit No. 2371-PG&E, 1959).					
FS Date: 3/6/1913					

Photo 1 of 1 : UCIP_2224.jpg



PG&E warning gas line crossing--waterward side view.

LM Start	1.61	Rating **	M	Issue No.	29
LM End	1.61	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.570075 °	38.570075 °
				-121.515546 °	-121.515546 °
DWR ID	DWR_NA0005_01_s_2014_29				
Action/Comments					
Inspector Comments: FS_ID:20388					
EP_NO: 14732					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to obtain maintenance records for pipe line--					
Inspector was able to obtain inspection status from PG&E.					
FIELD_STRUCT_DESC: 24 inch diameter natural gas pipeline under the levee and channel at a depth of 25 feet minimum. (Permit No. 14732, PG&E-1988)					
FS Date: 3/7/1913					

Photo 1 of 1 : UCIP_2230.jpg



Warning sign of gas pipeline crossing located on waterward slope.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	05/01/2014 05/01/2014	John Williamson

LM Start	1.74	Rating **	M	Issue No.	30
LM End	1.74	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.567981 °	38.567981 °
				-121.516077 °	-121.516077 °
DWR ID	DWR_NA0005_01_s _ 2014_30				
Action/Comments					
Inspector Comments: FS_ID:20990					
EP_NO: 9259					
Repair Type:					
Crossing Status:					
UCIP Comments: backflow device next to fence area angled.					
FIELD_STRUCT_DESC: 12-inch cast iron water main pipe sleeved					
through a 20-inch steel casing 3.0 feet below the crown elevation.					
(Permit No. 9259, City of Sacramento-1974)					
FS Date: 3/7/1913					

Photo 1 of 1 : UCIP_2397.jpg



Close up of positive closure device.

LM Start	1.75	Rating **	M	Issue No.	31
LM End	1.75	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.567888 °	38.567888 °
				-121.516082 °	-121.516082 °
DWR ID	DWR_NA0005_01_s _ 2014_31				
Action/Comments					
Inspector Comments: FS_ID:21044					
EP_NO: 8816					
Repair Type:					
Crossing Status:					
UCIP Comments: High rodent on landward side. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 2 of 4: 10 inch line (premium) encased in 16 inch casing approximately 4 feet below crown. Vent pipes installed at each end of the conductor pipe. (Permit No. 8816, Phillips Petroleum Company-1974)					
FS Date: 3/7/1913					

Photo 1 of 1 : UCIP_2411.jpg



Overview of 4-10 inch lines through levee--landward side.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	05/01/2014 05/01/2014	John Williamson

LM Start	1.75	Rating **	M	Issue No.	32
LM End	1.75	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.567886 °	38.567886 °
				-121.516082 °	-121.516082 °
DWR ID	DWR_NA0005_01_s _ 2014_32				
Action/Comments					
Inspector Comments: FS_ID:21045					
EP_NO: 8816					
Repair Type:					
Crossing Status:					
UCIP Comments: High rodent on landward side. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 3 of 4: 10 inch line (no lead) encased in 16 inch casing approximately 4 feet below crown. Vent pipes installed at each end of the conductor pipe. (Permit No. 8816, Phillips Petroleum Company-1974)					
FS Date: 3/7/1913					

No Photos

LM Start	1.75	Rating **	M	Issue No.	33
LM End	1.75	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.567877 °	38.567877 °
				-121.516082 °	-121.516082 °
DWR ID	DWR_NA0005_01_s _ 2014_33				
Action/Comments					
Inspector Comments: FS_ID:21046					
EP_NO: 8816					
Repair Type:					
Crossing Status:					
UCIP Comments: High rodent on landward side. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 4 of 4: 10 inch line (diesel) encased in 16 inch casing approximately 4 feet below crown. Vent pipes installed at each end of the conductor pipe. (Permit No. 8816, Phillips Petroleum Company-1974)					
FS Date: 3/7/1913					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	05/01/2014 05/01/2014	John Williamson

LM Start	1.75	Rating **	A/W	Issue No.	144
LM End	1.75	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.567821 °	38.567821 °
				-121.516091 °	-121.516091 °
DWR ID	DWR_NA0005_01_s _ 2012_144				
Action/Comments					
Pipe					

Photo 1 of 2 : johngw_s_20140429_948.jpg



A pipe on the landside shoulder crosses under the railroad tracks. Fall 2011

LM Start	1.75	Rating **	A/W	Issue No.	144 (cont)
LM End	1.75	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : johngw_s_20140429_949.jpg



This appears to be a drain pipe under a driveway. It is a different pipe then the other photo for this issue. Fall 2011

LM Start	1.76	Rating **	M	Issue No.	34
LM End	1.76	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.567793 °	38.567793 °
				-121.516047 °	-121.516047 °
DWR ID	DWR_NA0005_01_s _ 2014_34				
Action/Comments					
Inspector Comments: FS_ID:21048					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
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A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	05/01/2014 05/01/2014	John Williamson

LM Start	1.79	Rating **	M	Issue No.	35
LM End	1.79	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.567317 °	38.567317 °
				-121.516154 °	-121.516154 °
DWR ID	DWR_NA0005_01_s _ 2014_35				
Action/Comments					
Inspector Comments: FS_ID:21054					
EP_NO: 4914					
Repair Type:					
Crossing Status:					
UCIP Comments: Need records confirming crossing is free of leaks.					
FIELD_STRUCT_DESC: 8-inch pipe through the levee, 5.0 feet below the crown and along the waterward side to Levee Mile 2.41, for river crossing under the channel. (Permit No. 4914, A, B, C-Standard Oil Co.)					
FS Date: 3/7/1913					

Photo 1 of 1 : UCIP_2429.jpg



View of waterard side--markers visible through levee.

LM Start	1.96	Rating **	M	Issue No.	7
LM End	2.34	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.564900 °	38.559460 °
				-121.516253 °	-121.515085 °
DWR ID	DWR_NA0005_01_s _ 2012_7				
Action/Comments					
Equipment					
Inspector Comments: Railroad tracks run on crown of levee, paved roadway runs along toe on waterside. This is Miller Park Marina area.					

Photo 1 of 2 : johngw_s_20140429_928.jpg



Railroad tracks are on levee crown. The street is to the boat ramp.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	05/01/2014 05/01/2014	John Williamson

LM Start	1.96	Rating **	M	Issue No.	7 (cont)
LM End	2.34	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.564900 °	38.559460 °
				-121.516253 °	-121.515085 °
DWR ID	DWR_NA0005_01_s _ 2012_7				
Action/Comments					
Equipment					
Inspector Comments: Railroad tracks run on crown of levee, paved roadway runs along toe on waterside. This is Miller Park Marina area.					

Photo 2 of 2 : johngw_s_20140429_929.jpg



The railroad cars remain on the levee crown. Spring 2013

LM Start	2.04	Rating **	A/W	Issue No.	145
LM End	2.04	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.563720 °	-121.515890 °
				38.563720 °	-121.515890 °
DWR ID	DWR_NA0005_01_s _ 2012_145				
Action/Comments					
Pipe					
Inspector Comments: The pipe has been repaired by the LMA. The pipe was installed by the Railroad Museum and is in talks with the CVFPB. No permit was issued for them.					

Photo 1 of 1 : johngw_s_20140429_950.jpg



The pipe is a french drain under the railroad tracks. Was in the USACE report has not been resolved. Photo fall 2012.

LM Start	2.45	Rating **	A/W	Issue No.	8
LM End	2.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.557937 °	38.557937 °
				-121.514237 °	-121.514237 °
DWR ID	DWR_NA0005_01_s _ 2012_8				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	05/01/2014 05/01/2014	John Williamson

LM Start	2.46	Rating **	A/W	Issue No.	21
LM End	2.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.557828 °	38.553710 °
				-121.514193 °	-121.512863 °
DWR ID	DWR_NA0005_01_s_2012_21				
Action/Comments					
Environmental Requirements.					

Photo 1 of 2 : johngw_s_20140429_945.jpg



This area is a revegetation site, photo taken spring 2012.

LM Start	2.46	Rating **	A/W	Issue No.	21 (cont)
LM End	2.76	Issue Type +	Ma	Location *	WS

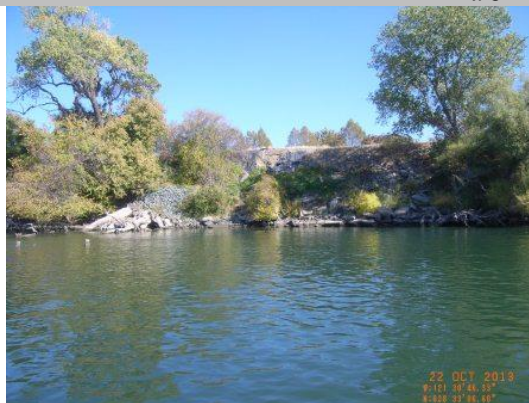
Photo 2 of 2 : johngw_s_20140429_946.jpg



A photo of the revegetation site taken spring 2012.

LM Start	2.84	Rating **	M	Issue No.	11
LM End	2.84	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.551578 °	38.552268 °
				-121.512336 °	-121.512590 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Erosion at pump station, concrete debris					

Photo 1 of 1 : USACE2013A_SAC_56-6_L_2.jpg



USACE 2013 Photo #1

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	05/01/2014 05/01/2014	John Williamson

LM Start	2.90	Rating **	M	Issue No.	10
LM End	2.90	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.551810 °	38.551810 °
				-121.511838 °	-121.511838 °
DWR ID	DWR_NA0005_01_s _ 2012_10				
Action/Comments					
Building					

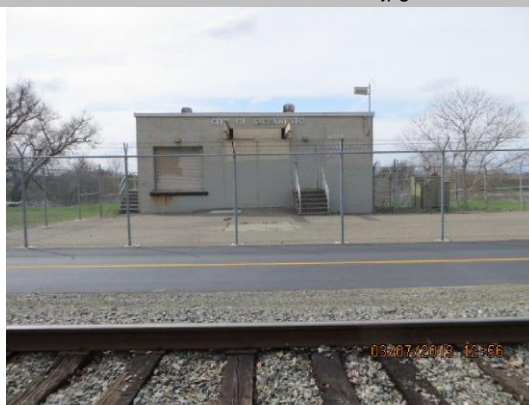
Photo 1 of 1 : johngw_s_20140429_931.jpg



City of Sacramento pump station on the waterside of the crown of the levee.

LM Start	2.91	Rating **	M	Issue No.	36
LM End	2.91	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.551674 °	38.551674 °
				-121.511782 °	-121.511782 °
DWR ID	DWR_NA0005_01_s _ 2014_36				
Action/Comments					
Inspector Comments: FS_ID:21065					
EP_NO: 2043					
Repair Type:					
Crossing Status:					
UCIP Comments: This crossing has been abandoned. According to City of Sacramento Staff the last time this crossing was fired up to see if it was functioning was 3 years ago.					
FIELD_STRUCT_DESC: Ranney collector on waterward slope. Ranney collector with 24 inch discharge pipe through levee. (Permit No. 2043, City of Sacramento-1955).					
FS Date: 3/7/1913					

Photo 1 of 1 : UCIP_2440.jpg



Ranney collector facility operated by the City of Sacramento.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	05/01/2014 05/01/2014	John Williamson

LM Start	3.19	Rating **	M	Issue No.	37
LM End	3.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.547804 °	38.541429 °
				-121.510290 °	-121.511241 °
DWR ID	DWR_NA0005_01_s_2014_37				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : johngw_s_20140502_964.jpg



The tall grasses partially blocks visibility. Spring 2014

LM Start	3.22	Rating **	N	Issue No.	16
LM End	3.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.547353 °	38.547353 °
				-121.510253 °	-121.510253 °
DWR ID	DWR_NA0005_01_f_2012_16				
Action/Comments					
Tree stumps.					

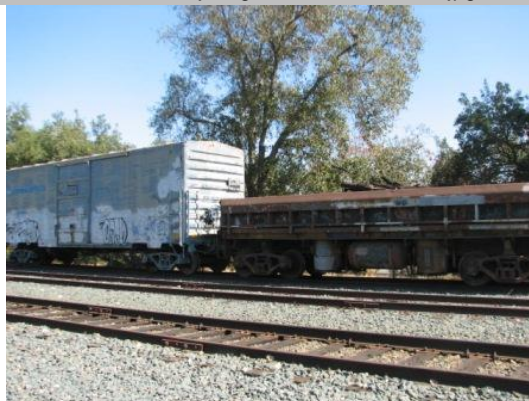
Photo 1 of 1 : johngw_s_20140429_944.jpg



There are several tree stumps in this area. The district have been monitoring and spraying the stumps. Photo fall 2012.

LM Start	3.29	Rating **	M	Issue No.	9
LM End	3.29	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.546302 °	38.546302 °
				-121.510197 °	-121.510197 °
DWR ID	DWR_NA0005_01_f_2013_9				
Action/Comments					
Equipment					
Inspector Comments: There is four cars on the levee crown.					

Photo 1 of 1 : johngw_s_20140429_930.jpg



Trains cars are stored on the crown of the levee. Fall 2013

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	05/01/2014 05/01/2014	John Williamson

LM Start	3.39	Rating **	M	Issue No.	38
LM End	3.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.544682 °	38.541430 °
				-121.509658 °	-121.511240 °
DWR ID	DWR_NA0005_01_s _ 2014_38				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

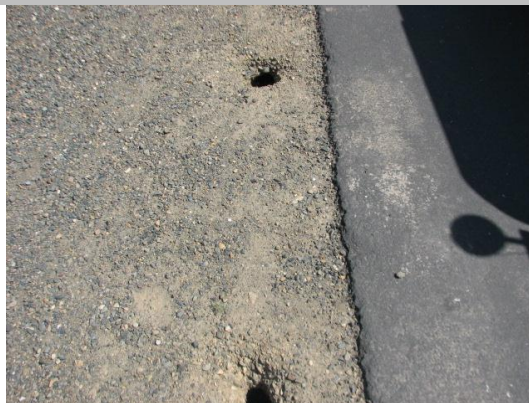
Photo 1 of 1 : johngw_s_20140502_965.jpg



Tall grasses partially blocks visibility. Spring 2014

LM Start	3.47	Rating **	M	Issue No.	39
LM End	3.47	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.543351 °	38.543351 °
				-121.510084 °	-121.510084 °
DWR ID	DWR_NA0005_01_s _ 2014_39				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : johngw_s_20140502_966.jpg



A couple of rodent holes on the waterside of the crown. Spring 2014

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement